

IN THE CLAIMS

Please amend claims 1, 12, 16 and 20, and add claims 21-36 as follows:

1           1. (Currently Amended) A method of transferring information in  
2 units over a wireless digital communications link between a  
3 transmitting station and a receiving station comprising the steps  
4 of:  
5           transmitting first information units at a first power level;  
6           monitoring if correct reception of the transmitted units  
7 occurred;  
8           and  
9           transmitting second information units associated with the  
10 first information units, for which first information units the  
11 monitoring did not indicate correct reception occurred, at a second  
12 power level which is controlled on the basis of the disparity  
13 between target and actual quality of reception parameters for said  
14 second information units, wherein the target quality of reception  
15 parameter for said second information units is different to the  
16 target quality of reception parameter for said first information  
17 units, the second information units allowing the content of the

18 | ~~first information units to be established and wherein the second~~  
19 | ~~power level may be less than or greater than the first power level.~~

1       2.(Original) The method of claim 1 wherein the target quality  
2 of reception parameter for the second information units is greater  
3 than the target quality of reception parameter for the first  
4 information units.

1       3.(Original) The method of claim 1, wherein the first  
2 information unit quality of reception parameter is chosen on the  
3 basis of a target bit error rate or block error rate in the  
4 information received at the receiving station by virtue of first  
5 information units.

1       4.(Original) The method of claim 1, wherein the quality of  
2 reception parameter is the signal to interference (SIR) ratio.

1       5.(Original) The method of with claim 1, and further  
2 comprising the step of analysing the disparity between the actual  
3 and target quality of reception parameters of received information  
4 unit transmissions and decreasing the information unit transmission  
5 power level if the quality of reception parameter for received

6 information unit transmissions is greater than the target quality  
7 of reception parameter, otherwise increasing the information unit  
8 transmission power level if the quality of reception parameter for  
9 received information unit transmissions is less than the target  
10 quality of reception parameter.

1       6.(Original) The method of claim 1 wherein the communications  
2 link is established by equipment operating in accordance with a  
3 communications protocol based on the Universal Mobile  
4 Telecommunication System.

1       7.(Original) The method of claim 6 wherein the communications  
2 link is established on at least one physical channel.

1       8.(Original) The method of claim 7 wherein the receiving  
2 station sends transmission power regulation commands to the  
3 transmitting station in the transmit power control (TPC) field  
4 carried on a control channel set up in the communications link.

1       9.(Original) The method of claim 1, wherein the target  
2 quality of reception parameter for first information units is

3   selected to correspond to a defined probability of failed first  
4   information units transmission and consequent second information  
5   units transmission.

1       10.(Original)   The method of Claim 1 and further comprising  
2   the step of selecting the first power level to control the average  
3   power consumption of the transmitter in order to maintain a minimum  
4   average power consumption taking into account the first power level  
5   and the second power level for the consequent probability of  
6   transmission of second information units.

1       11.(Original)   The method of claim 1 wherein the second  
2   information unit transmissions are performed using an initial  
3   transmission power boost without reference to the quality of  
4   reception parameter.

1       12.(Currently Amended)   A digital wireless communications  
2   system comprising at least one transmitter having means for  
3   transmitting first information units at a first power level;  
4       at least one receiver having means for receiving the  
5   transmitted information units;

6 control means for controlling the transmitter output power;  
7 and

8 monitoring means for monitoring if correct reception of the  
9 transmitted units occurred at the receiver,

10 wherein the transmitting means transmits second information  
11 units associated with the first information units for which first  
12 information units the monitoring means does not indicate correct  
13 reception has occurred, the second information units being  
14 transmitted at a second power level which is controlled on the  
15 basis of the disparity between target and actual quality of  
16 reception parameters for said second information units, wherein the  
17 target quality of reception parameter for said second information  
18 units is different to the target quality of reception parameter for  
19 said first information units, the second information units allowing  
20 the content of the first information units to be established and  
21 ~~wherein the second power level may be less than or greater than the~~  
22 ~~first power level.~~

1 13.(Original) The communications system of claim 12 wherein  
2 the target quality of reception parameter for the second

3 information units is greater than the target quality of reception  
4 parameter for the first information units.

1 14.(Original) The communications system of claim 12 wherein  
2 the control means selects the first power level to control the  
3 average power consumption of the transmitter in order to maintain a  
4 minimum average power consumption taking into account the first  
5 power level and the second power level for the consequent  
6 probability of transmission of second information units.

1 15.(Original) The communications system of claim 12 wherein  
2 the second information unit transmissions are performed using an  
3 initial transmission power boost without reference to the quality  
4 of reception parameter.

1 16.(Currently Amended) A transmitter station for digital  
2 wireless transmission of traffic information to a receiver, said  
3 transmitter station having:

4 a transmitter for transmitting first information units at a  
5 first power level;

6           control means for controlling the transmitter output power;  
7   and

8           monitoring means for monitoring if correct reception of the  
9   transmitted units occurred at the receiver,

10          wherein the transmitter transmits second information units  
11   associated with the first information units for which first  
12   information units the monitoring means does not indicate correct  
13   reception has occurred, at a second power level which is controlled  
14   on the basis of the disparity between target and actual quality of  
15   reception parameters for said second information units, wherein the  
16   target quality of reception parameter for said second information  
17   units is different to the target quality of reception parameter for  
18   said first information units, the second information units allowing  
19   the content of the first information units to be established and  
20   ~~wherein the second power level may be less than or greater than the~~  
21   ~~first power level.~~

1           17.(Original) The transmitter station of claim 16 wherein the  
2   target quality of reception parameter for the second information  
3   units is greater than the target quality of reception parameter for  
4   the first information units.

1           18.(Original) The transmitter station of claim 16 wherein the  
2 control means selects the first power level to control the average  
3 power consumption of the transmitter in order to maintain a  
4 minimum average power consumption taking into account the first  
5 power level and the second power level for the consequent  
6 probability of transmission of second information units.

1           19.(Original) The transmitter station of claim 16 wherein the  
2 second information unit transmissions are performed using an  
3 initial transmission power boost without reference to the quality  
4 of reception parameter.

1           20.(Currently Amended) A receiver for use in a digital  
2 wireless communications system comprising at least one transmitter  
3 having means for transmitting first information units at a first  
4 power level, the receiver having means for receiving the  
5 transmitted information units;  
6 control means for controlling the transmitter output power;  
7 and



8            monitoring means for monitoring if correct reception of the  
9            transmitted units occurred at the receiver,

10           wherein the transmitting means transmits second information  
11           units associated with the first information units for which first  
12           information units the monitoring means does not indicate correct  
13           reception has occurred, the second information units being  
14           transmitted at a second power level which is controlled on the  
15           basis of the disparity between target and actual quality of  
16           reception parameters for said second information units, wherein the  
17           target quality of reception parameter for said second information  
18           units is different to the target quality of reception parameter for  
19           said first information units, the second information units allowing  
20           the content of the first information units to be established and  
21           ~~wherein the second power level may be less than or greater than the~~  
22           ~~first power level.~~

1           21. (New) The method of claim 1, wherein said target quality  
2           of reception parameter is increased from a first target level to a  
3           second target level when said first information units are not  
4           correctly received, so that said second information units are  
5           transmitted at said second power level which is greater than said  
6           first power level of said first information units.

1           22.(New) The method of claim 21, wherein said target quality  
2 of reception parameter is decreased from said second target level  
3 to said first target level when said second information units are  
4 correctly received.

1           23.(New) The method of claim 1, wherein said target quality  
2 of reception parameter is progressively increased.

1           24.(New) The method of claim 1, wherein a change between said  
2 first power level and said second power level is progressive.

1           25.(New) The digital wireless communications system of claim  
2 12, wherein said target quality of reception parameter is increased  
3 from a first target level to a second target level when said first  
4 information units are not correctly received, so that said second  
5 information units are transmitted at said second power level which  
6 is greater than said first power level of said first information  
7 units.

1        26.(New) The digital wireless communications system of claim  
2 25, wherein said target quality of reception parameter is decreased  
3 from said second target level to said first target level when said  
4 second information units are correctly received.

1        27.(New) The digital wireless communications system of claim  
2 12, wherein said target quality of reception parameter is  
3 progressively increased.

1        28.(New) The digital wireless communications system of claim  
2 12, wherein a change between said first power level and said second  
3 power level is progressive.

1        29.(New) The transmitter station of claim 16, wherein said  
2 target quality of reception parameter is increased from a first  
3 target level to a second target level when said first information  
4 units are not correctly received, so that said second information  
5 units are transmitted at said second power level which is greater  
6 than said first power level of said first information units.

1        30.(New) The transmitter station of claim 29, wherein said  
2 target quality of reception parameter is decreased from said second

3 target level to said first target level when said second  
4 information units are correctly received.

1 31.(New) The transmitter station of claim 16, wherein said  
2 target quality of reception parameter is progressively increased.

1 32.(New) The transmitter station of claim 16, wherein a  
2 change between said first power level and said second power level  
3 is progressive.

1 33.(New) The receiver of claim 20, wherein said target  
2 quality of reception parameter is increased from a first target  
3 level to a second target level when said first information units  
4 are not correctly received, so that said second information units  
5 are transmitted at said second power level which is greater than  
6 said first power level of said first information units.

1 34.(New) The receiver of claim 33, wherein said target  
2 quality of reception parameter is decreased from said second target  
3 level to said first target level when said second information units  
4 are correctly received.

1           35.(New) The receiver of claim 20, The transmitter station of  
2 claim 20, wherein said target quality of reception parameter is  
3 progressively increased.

1           36.(New) The receiver of claim 20, The transmitter station of  
2 claim 20, wherein a change between said first power level and said  
3 second power level is progressive.